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e. an intermediate shaft rotatably secured to the support frame about a rotational axis that is coincident with said tail pivot axis, the intermediate shaft including a power input gear, the power input gear extending substantially in said second vertical plane and spaced apart from the longitudinal axis of the support frame by said second offset distance, said intermediate shaft also including a power output gear that rotates together with the power input gear, the power output gear extending substantially in said first vertical plane and spaced apart from the longitudinal axis of the support frame by said first offset distance.

- 13. The motorcycle recited by claim 12 wherein the intermediate shaft is located generally within the support frame.
 - 14. The motorcycle recited by claim 13 further including:
- f. a first drive belt coupling the transmission output gear to the power input gear of the intermediate shaft; and
- g. a second drive belt coupling the power output gear of the intermediate shaft to the rear wheel drive gear.
- 15. The motorcycle recited by claim 12 wherein the intermediate shaft is disposed generally between the transmission output gear and the rear wheel drive gear.

REMARKS

In response to the Office Action mailed May 10, 2002, Applicant has amended original claim 1, and has added new claims 8-15 above. Attached hereto, as Attachment A, is a copy of amended claim 1 showing the text which has been changed, along with a copy of the new claims that have been added.

Within the Office Action mailed May 10, 2002, the Examiner rejected claims 1, 3-4 and 7 under 35 U.S.C. §102(b) as describing subject matter that the Examiner considered to be anticipated by U.S. Patent No. 3,954,145 ("Nesbit"). Applicant respectfully disagrees with the

Examiner's conclusion, and Applicant requests the Examiner to reconsider the basis for the rejection of claims 1, 3-4 and 7 in view of the amendment to claim 1 and the arguments set forth below.

In Nesbit, the power output pulley (22) is collinear with the clutch (18), and the clutch is mounted to the transmission. See FIG. 2 and column 2, lines 58-60, of Nesbit. The motorcycle of Nesbit lacks an intermediate shaft between the power output pulley (22) at the transmission or clutch, and the drive gear (32) at the rear wheel. Nesbit has one uninterrupted secondary belt (53) between the power output pulley (22) at the transmission or clutch, and the drive gear (32) at the rear wheel.

Referring now to the Applicant's invention as defined by claim 1, the transmission includes a transmission output gear, an intermediate shaft disposed generally between the transmission output gear of the transmission and the rear wheel drive gear. In contrast, Nesbit lacks <u>any</u> shaft at a corresponding location between the transmission and the rear wheel.

In a motorcycle in accordance with the invention as defined by claim 1, there are two drive belts between the transmission output gear and the rear wheel drive gear. The two drive belts each engage the recited intermediate shaft. These two belts are recited at paragraphs f and g, lines 23-26, of amended claim 1:

"f. a first drive belt coupling the transmission output gear to the power input gear of the intermediate shaft; and

g. a second drive belt coupling the power output gear of the intermediate shaft to the rear wheel drive gear."

In contrast, Nesbit has only one, uninterrupted belt (53) between the power output pulley (22) at the transmission or clutch, and the drive gear (32) at the rear wheel.

In a motorcycle in accordance with the Applicant's invention as recited by claim 1, the transmission output gear and the rear wheel drive gear lie in different vertical planes, and at different distances from the longitudinal axis of the motorcycle. By way of example, FIG. 7 of the Applicant's drawings shows that transmission output pulley 127 at transmission 36 lies in a vertical plane 137 spaced apart from the longitudinal axis 133 of the support frame 26 by a

predetermined offset distance. Fig. 7 also shows that drive pulley 138 at the rear wheel lies in another vertical plane 139 spaced apart from the longitudinal axis 133 of the support frame (26) by a larger offset distance. This is recited in paragraphs b and d of amended claim 1:

"b. a rear wheel rotatably coupled to the rear end of the support frame, the rear wheel including a rear wheel drive gear for applying torque to the rear wheel, the rear wheel drive gear extending substantially in a first vertical plane spaced apart from the longitudinal axis of the support frame by a first offset distance;

* * *

d. a transmission mounted to the support frame and coupled to the engine for selectively coupling the turning force generated by the engine to a transmission output gear, the transmission output gear extending substantially in a second vertical plane spaced apart from the longitudinal axis of the support frame by a second offset distance, the second offset distance being smaller than the first offset distance;"

On the other hand, FIG. 2 of Nesbit shows that the power output pulley (22) at the transmission or clutch, and the drive gear (32) at the rear wheel are in a same vertical plane at

Accordingly, claim 1 recites subject matter that is neither anticipated by, nor suggested by, the Nesbit disclosure.

a same distance from the longitudinal axis of the motorcycle.

Within the Office Action mailed May 10, 2002, the Examiner rejected dependent claim 2 under 35 U.S.C. §103(a) as describing subject matter that the Examiner considered to be obvious based upon U.S. Patent No.3,954,145 ("Nesbit") and U.S. Patent No. 4,585,087 ("Riccitelli"), and the Examiner rejected dependent claims 5 and 6 under 35 U.S.C. §103(a) as describing subject matter that the Examiner considered to be obvious based upon U.S. Patent No.3,954,145 ("Nesbit") and U.S. Patent No.5,487,443 ("Thurm"). Claims 2, 5 and 6 are dependent upon amended claim 1. Applicant requests the Examiner to reconsider the basis for the rejection of claims 2, 5 and 6 in view of the amendment to claim 1 and the arguments made with regard to claim 1.

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New independent claim 9 recites that the intermediate shaft is located generally within the support frame. Clearly, Nesbit does not disclose an intermediate shaft located generally within a support frame. New claim 10, dependent upon new independent claim 9, has been added.

New independent claim 12 recites, at paragraph e, "an intermediate shaft rotatably secured to the support frame about a rotational axis that is coincident with said tail pivot axis...". The Examiner contends that the alignment of the intermediate shaft to rotate about an axis that is coincident with the tail frame pivot axis would be a matter of design choice. Applicant respectfully disagrees. The Examiner has simply stated an opinion and has not provided sufficient reasoning, or any reasoning whatsoever, supporting the opinion. The Federal Circuit has held that an Examiner must provide reasoning why a specific feature is a matter of design choice, and therefore obvious. *In re* Chu, 66 F.3d 292, 36 USPQ 2d 1089 (Fed. Cir. 1995).

The prior art made of record and not relied upon was reviewed and is not considered pertinent to Applicant's disclosure.

Accordingly, Applicant respectfully requests the Examiner to issue a Notice of Allowability indicating the allowance of pending claims 1-15.

Respectfully submitted,

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Docket No. 5962-A-2

ATTACHMENT A

(Amended) A motorcycle having a transmission system that accommodates an enlarged rear tire, the motorcycle comprising in combination:

 a. a support frame for supporting a rider, the support frame extending along a longitudinal axis between opposing front and rear ends;
 b. a rear wheel rotatably coupled to the rear end of the support frame, the rear wheel including a rear wheel drive gear for applying torque to the rear wheel, the rear wheel drive gear extending substantially in a first vertical plane spaced apart from the longitudinal axis of the support frame by a first offset distance;
 c. an engine mounted to the support frame for generating a turning force to propel the

motorcycle;

- d. a transmission mounted to the support frame and coupled to the engine for selectively coupling the turning force generated by the engine to a transmission output gear, the transmission output gear extending substantially in a second vertical plane spaced apart from the longitudinal axis of the support frame by a second offset distance, the second offset distance being smaller than the first offset distance:
- e. an intermediate shaft rotatably secured to the support frame and disposed generally between the transmission output gear and the rear wheel drive gear, the intermediate shaft including a power input gear, the power input gear extending substantially in said second vertical plane and spaced apart from the longitudinal axis of the support frame by said second offset distance, said intermediate shaft also including a power output gear that rotates together with the power input gear, the power output gear extending substantially in said first vertical plane and spaced apart from the longitudinal axis of the support frame by said first offset distance;
- f. a first drive belt coupling the transmission output gear to the power input gear of the intermediate shaft; and
- g. a second drive belt coupling the power output gear of the intermediate shaft to the rear wheel drive gear.

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8. (New) The motorcycle recited by claim 1 wherein the intermediate shaft is located 1 generally within the support frame. 2 3 4 rear tire, the motorcycle comprising in combination: 5

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- 9. (New) A motorcycle having a transmission system that accommodates an enlarged
- a. a support frame for supporting a rider, the support frame extending along a longitudinal axis between opposing front and rear ends;
- b. a rear wheel rotatably coupled to the rear end of the support frame, the rear wheel including a rear wheel drive gear for applying torque to the rear wheel, the rear wheel drive gear extending substantially in a first vertical plane spaced apart from the longitudinal axis of the support frame by a first offset distance;
- c. an engine mounted to the support frame for generating a turning force to propel the motorcycle;
- d. a transmission mounted to the support frame and coupled to the engine for selectively coupling the turning force generated by the engine to a transmission output gear, the transmission output gear extending substantially in a second vertical plane spaced apart from the longitudinal axis of the support frame by a second offset distance, the second offset distance being smaller than the first offset distance; and
- e. an intermediate shaft located generally within the support frame and rotatably secured to the support frame, the intermediate shaft including a power input gear, the power input gear extending substantially in said second vertical plane and spaced apart from the longitudinal axis of the support frame by said second offset distance, said intermediate shaft also including a power output gear that rotates together with the power input gear, the power output gear extending substantially in said first vertical plane and spaced apart from the longitudinal axis of the support frame by said first offset distance.
- 10. (New) The motorcycle recited by claim 9 wherein the intermediate shaft is disposed generally between the transmission output gear and the rear wheel drive gear.

11. (New) The motorcycle recited by claim 9 wherein the intermediate shaft is disposed generally between the transmission output gear and the rear wheel drive gear, further including:

f. a first drive belt coupling the transmission output gear to the power input gear of the

intermediate shaft; and

- g. a second drive belt coupling the power output gear of the intermediate shaft to the rear wheel drive gear.
- 12. (New) A motorcycle having a transmission system that accommodates an enlarged rear tire, the motorcycle comprising in combination:
- a. a support frame for supporting a rider, the support frame extending along a longitudinal axis between opposing front and rear ends, and wherein the support frame includes a tail frame portion for supporting a rear wheel, the tail frame portion being pivotally secured to the support frame about a tail pivot axis, and the rear wheel being rotatably secured to the tail frame portion;
- b. a rear wheel drive gear for applying torque to the rear wheel, the rear wheel drive gear extending substantially in a first vertical plane spaced apart from the longitudinal axis of the support frame by a first offset distance;
- c. an engine mounted to the support frame for generating a turning force to propel the motorcycle;
- d. a transmission mounted to the support frame and coupled to the engine for selectively coupling the turning force generated by the engine to a transmission output gear, the transmission output gear extending substantially in a second vertical plane spaced apart from the longitudinal axis of the support frame by a second offset distance, the second offset distance being smaller than the first offset distance; and
- e. an intermediate shaft rotatably secured to the support frame about a rotational axis that is coincident with said tail pivot axis, the intermediate shaft including a power input gear, the power input gear extending substantially in said second vertical plane and spaced apart from the longitudinal axis of the support frame by said second offset distance, said intermediate shaft also including a power output gear that rotates together with the power input gear, the power output gear extending substantially in said first vertical plane and spaced apart from the longitudinal axis of the support frame by said first offset distance.



13. (New) The motorcycle recited by claim 12 wherein the intermediate shart is located
generally within the support frame.
14. (New) The motorcycle recited by claim 13 further including:
f. a first drive belt coupling the transmission output gear to the power input gear of the
intermediate shaft; and
g. a second drive belt coupling the power output gear of the intermediate shaft to the rear
wheel drive gear.
15. (New) The motorcycle recited by claim 12 wherein the intermediate shaft is disposed
generally between the transmission output gear and the rear wheel drive gear.

